

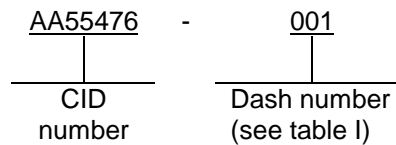
[INCH-POUND]  
A-A-55476A  
March 14, 2001  
SUPERSEDING  
A-A-55476  
September 17, 1993

## COMMERCIAL ITEM DESCRIPTION

### FUSE, CARTRIDGE, TYPE SFE

The General Services Administration has authorized the use of this commercial item description (CID) for all federal agencies.

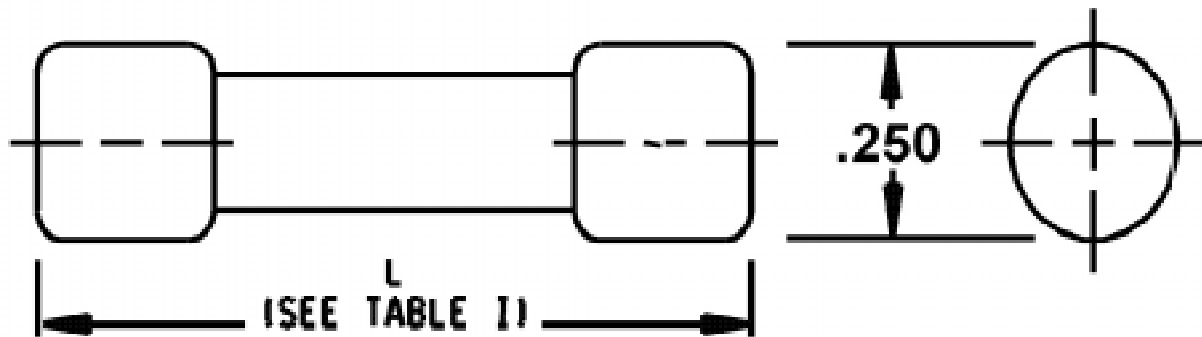
1. **SCOPE.** This CID covers the general requirements for an SFE type fuse cartridge. Fuse cartridges covered by this CID are intended for commercial/industrial applications.
2. **CLASSIFICATION.** This CID uses a classification system which is included in the Part Identification Number (PIN) as shown in the following example (see 7.1).



### 3. SALIENT CHARACTERISTICS.

- 3.1 Interface and physical dimensions. Fuse cartridges supplied to this CID shall be as specified herein and shall meet the requirements of SAE J554 for SFE type fuse cartridges (see figure 1).
- 3.2 Ampere rating. The ampere rating shall be as specified in table I.
- 3.3 Voltage rating. The voltage rating shall be 32 V dc.
- 3.4 Fuse body. The fuse body shall be glass.
- 3.5 Opening time. The opening time shall be as specified in table II.
- 3.6 Corresponding fuseholder. The corresponding fuseholder is specified in A-A-55475.
- 3.7 Marking. Fuseholders supplied to this CID shall be marked with the manufacturer's standard commercial PIN.

Beneficial comments recommendations, additions, deletions, clarifications, etc., and any data which may improve this document should be addressed to: Defense Supply Center, Columbus, ATTN: DSCC-VAT, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-0548, or facsimile (FAX) (614) 692-6939.
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Inches	mm
.250	6.35

NOTES:

1. Dimensions are in inches.
2. Tolerance is  $\pm .005$  inch (0.13 mm), unless otherwise specified.

FIGURE 1. Configuration and dimensions.

TABLE I. Electrical characteristics.

CID PIN A-A-55476-	Ampere rating	Fuse dimension L (inches)	Fuse dimension L (metric)
001	4	.625	15.88
002	6	.750	19.05
003	7.5	.875	22.23
004	9	.857	22.23
005	14	1.062	26.99
006	20	1.250	31.75
007	30	1.437	36.50

TABLE II. Percent rated current versus opening time.

Percent rated current	Opening time
110 percent	4 hours, minimum
135 percent	1 hour, maximum
200 percent	10 seconds, maximum

4. **REGULATORY REQUIREMENTS.** The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

#### 5. PRODUCT CONFORMANCE PROVISIONS

5.1 Product conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance. The following market acceptance criteria are necessary to document the quality of the product to be provided under this CID:

- a. The company producing the item must have been producing a product meeting the requirements of this CID for at least 2 years.
- b. The company must have sold 1,000 units meeting this CID in the commercial marketplace over the past 2 years.

6. **PACKAGING.** Preservation, packing, and marking shall be as specified in the contract or order.

#### 7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of these fuses to DSCC under the Military Parts Control Advisory Group (MPCAG) evaluation program, CAGE code 58536 should be used.

7.3 Source of documents.

Other Publications

SOCIETY OF AUTOMOTIVE ENGINEERS (SAE)

SAE J554 - Electric Fuses (Cartridge Type).

(Applications for copies should be addressed to the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15096-0001.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

7.4 Ordering data. The contract or order should specify the following:

- a. CID document number, revision, and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.5 Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID. (NOTE: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
71400	Cooper Bussmann, Incorporated P. O. Box 14460 St. Louis, MO 63178-4460 Phone number: (636) 394-2877 Facsimile number: (800) 544-2570 E-mail: fusebox@buss.com Uniform Resource Locator (URL): www.bussmann.com
75915	Littelfuse Incorporated 800 E. Northwest Highway Des Plaines, IL 60016-3096 Phone number: (847) 824-1188 Facsimile number: (847) 391-0894 E-mail: electronics@littelfuse.com URL: www.littelfuse.com

7.6 Part number (P/N) supersession data. This CID supersedes the following manufacturers' P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. P/N supersession data.

CID dash number AA55476-	MFR's CAGE 71400	MFR's CAGE 75915
	MFR's P/N <u>1/</u>	MFR's P/N <u>1/</u>
001	SFE4	307004
002	SFE6	307006
003	SFE7.5	30707.5
004	SFE9	307009
005	SFE14	307014
006	SFE20	307020
007	SFE30	307030

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown.

7.7 Government users. To acquire information on obtaining these fuses from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-CSBB, Post Office Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-7625.

7.7.1 National stock number (NSN). The following is a list of NSN's assigned which correspond to this CID. The list is for information only and may not be indicative of all possible NSN's associated with the CID. For up to date information on assigned NSN's, please contact the aforementioned DSCC office (See 7.7).

TABLE III. NSN's.

Dash number (see table I) AA55476-	NSN
001	5920-00-285-0227
002	5920-00-295-7786
003	5920-01-046-9210
004	5920-00-014-7684
005	5920-00-280-4007
006	N/A
007	5920-00-014-7686

A-A-55476A

MILITARY INTERESTS:

Custodians:  
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

Project 5920-0685